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OM nucleic - nucleic search, using sw model

Run on: September 18, 2002, 22:26:45 ; Search time 8826.93 seconds
(without alignments)
11851.432 Million cell updates/sec

Title: US-09-645-593-8
Perfect score: 4999
Sequence: 1 ctaaaggatacggacaagg tcnattgtatatggncgttg 4999

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 17997656 seqs., 10463268293 residues

Word size : 0

Total number of hits satisfying chosen parameters: 3595312

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post processing: Listing first 45 summaries

Database : GenEmbl:
1: gb_ba:*2: gb_ntg:*3: gb_lin:*4: gb_om:*5: gb_ov:*6: gb_dat:*7: gb_ph:*8: gb_pl:*9: gb_pp:*10: gb_ro:*11: gb_sts:*12: gb_sy:*13: gb_un:*14: gb_yi:*15: em_ba:*16: em_fun:*17: em_hum:*18: em_in:*19: em_mu:*20: em_om:*21: em_or:*22: em_ov:*23: em_pat:*24: em_ph:*25: em_pl:*26: em_ro:*27: em_sts:*28: em_un:*29: em_yi:*30: em_htg_hum:*31: em_htg_inv:*32: em_htg_other:*33: em_htgo_inv:*

Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULT AX089358
1

LOCUS AX089358
4999 bp
Sequence 8 from Patent WO0116340.

DEFINITION AX089358
1 (bases 1 to 4999)
Chaudhary S., van Rooijen, G., Moloney, M.M. and Singh, S.

ACCESSION AX089358
Flax seed specific promoters
Patent: WO 0116340-A 8 08-MAR-2001;
SemBioSys Genetics Inc. (CA); COMMONWEALTH SCIENTIFIC AND
INDUSTRIAL RESEARCH ORGANISATION (AU)

VERSION AX089358.1 GI:13443626

KEYWORDS flax,
Linum usitatissimum
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids I; Malpighiales; Linaceae; Linum.

SOURCE 1. 4.999
ORGANISM Linum usitatissimum
SUMMARIES

FEATURES
Source
Score
Match Length DB ID
Description

ORIGIN

QY	2101	tctggtagccaaatcccgaggaaacggatcgacaggatcgacgcata 	2160
b	2101	TCTGGTAGCCAAATCCCGAGGAAACGGATCGACGCATC	2160
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b	2161	CGACCGGGCAAAACCATCCAGCGAGCTGCACCATGGACGACCG	2220
Y	2221	ccggatattccatcccgccaggaaatcgacggatcgacgcata 	2280
b	2221	CCACCAATTCCAGGGCACCATGGACGAGCTGCACCATGGACGACCG	2280
Y	2281	tcttgtccatttcacggaaacccctcgatccatcgatcgatcgat 	2340
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b	2641	GACATTTCGCCACCTCAACCAACTGGCAAACAGAACCG 	2700
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Y	2881	acctggaaacacccttttttttttttttttttttttttttttt 	2940
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Y	3061	9cgaggaggatcgatcgatcgatcgatcgatcgatcgatcg 	3120
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QY	3181	cggccgcgtttagatccctcaacaggccacaacttcggatccggatcgatlag 	3340
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QY	3421	ccagggtcgatcgatcgatcgatcgatcgatcgatcgatcg 	3480
Db	3421	CCAGAGCCAGATCTGGCTTGTGAGTGTGTGAGCGAAG 	3480
QY	3481	gacagggtcgatcgatcgatcgatcgatcgatcgatcgatcg 	3540
Db	3481	GACGGTGTGACGGTGTGAAAGATCCAGACGTCGAGGTT 	3540
QY	3541	ttggatgggtcggttcggatggatggatggatggatggatgg 	3600
Db	3541	TTGAGTGTGGGGTCAAGGCAACACAAAGCCACAAAGG 	3600
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QY	3661	aggaggccatggatggatggatggatggatggatggatgg 	3720
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QY	3781	atgtgtatggatccatggatccatggatccatggatccatgg 	3840
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QY	3901	tatcgatgtcgatcatggatggatggatggatggatggatgg 	3960
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QY	3961	ttttaaatatttttttttttttttttttttttttttttttt 	4020
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QY	4081	cctcaaaaggcttttttttttttttttttttttttttttt 	4140
Db	4081	CTTCATCCAAATTCATCCATATCCATGGTGT 	4140
QY	4141	aaatattatctatcaatactatatttttttttttttttt 	4200
Db	4141	AAATATTTATCATCATCATCATCATCAT 	4200
QY	4201	gaatgttttttttttttttttttttttttttttttttt 	4260
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QY	4261	aqcaaqccqactcqaaacggggcccttttttttttttttt 	4320

13708	13807	gap of unknown length
13808	16732	contig of 2925 bp in length
16733	16832	gap of unknown length
16833	18977	contig of 2145 bp in length
18978	19077	gap of unknown length
19078	21825	contig of 2748 bp in length
21826	21925	gap of unknown length
21926	24091	contig of 2166 bp in length
24092	24191	gap of unknown length
24192	25964	contig of 1773 bp in length
25965	26064	gap of unknown length
26065	28909	contig of 2815 bp in length
28910	29009	gap of unknown length
29010	30413	contig of 1404 bp in length
30414	30513	gap of unknown length
30514	31753	contig of 1240 bp in length
31754	31853	gap of unknown length
31854	34448	contig of 2595 bp in length
34449	34548	gap of unknown length
34549	36351	contig of 1803 bp in length
36352	36451	gap of unknown length
36452	38532	contig of 2081 bp in length
38533	38632	gap of unknown length
38633	40773	contig of 2141 bp in length
40774	40873	gap of unknown length
40874	42725	contig of 1852 bp in length
42726	42825	gap of unknown length
42826	44501	contig of 1676 bp in length
44502	44601	gap of unknown length
44602	46744	contig of 2143 bp in length
46745	46844	gap of unknown length
46845	48727	contig of 1883 bp in length
48728	48827	gap of unknown length
48828	51179	contig of 2352 bp in length
51180	51279	gap of unknown length
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52479	52578	gap of unknown length
52579	54000	contig of 1422 bp in length
54001	54100	gap of unknown length
55860	55960	contig of 1760 bp in length
55961	58011	gap of unknown length
58012	58111	contig of 2051 bp in length
58112	59783	gap of unknown length
59784	59883	contig of 1672 bp in length
59884	61804	gap of unknown length
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61905	63014	gap of unknown length
63015	63114	contig of 1110 bp in length
63115	64428	contig of 1314 bp in length
64429	64528	gap of unknown length
65459	65848	contig of 1320 bp in length
65849	65948	gap of unknown length
65949	67951	contig of 2003 bp in length
67952	68051	gap of unknown length
68052	68913	contig of 1762 bp in length
68914	69913	gap of unknown length
69914	71245	contig of 1322 bp in length
71246	71345	gap of unknown length
71346	72906	contig of 2003 bp in length
72907	73006	gap of unknown length
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74676	74775	gap of unknown length
74776	76188	contig of 1413 bp in length
76189	76288	gap of unknown length
76289	77815	contig of 1527 bp in length
77816	77915	gap of unknown length
77916	78972	contig of 1957 bp in length
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81380	81480	contig of 1408 bp in length
81481	82512	gap of unknown length
82513	82612	gap of unknown length

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**	84603	85955:	contig of 1353 bp in length					
**	85956	86055:	gap of unknown length					
**	86056	87130:	contig of 1075 bp in length					
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**	87231	88779:	contig of 1549 bp in length					
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**	91498:	91498:	contig of 1039 bp in length					
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**	100810	101932:	contig of 1023 bp in length					
**	101933	102032:	gap of unknown length					
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**	103143	104157:	contig of 1015 bp in length					
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Conservative	0;	Mismatches 0;	Indels 0;					
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DEFINITION			Human DNA sequence from clone RP11-9E13 on chromosome 10, completed					
JOURNAL			sequence.					
COMMENT			AL136233					
ACCESSION			AL136233.14					
VERSION			G1:16408601					
KEYWORDS			HTG.					
SOURCE			human.					
ORGANISM			Homo sapiens					
REFERENCE			Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;					
AUTHORS			Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.					
TITLE			1 (bases 1 to 138733)					
JOURNAL			Howden, P.					
COMMENT			Direct Submission					
ACCESSION			Submitted (20-OCT-2001) Sanger Centre, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail enquiries@sanger.ac.uk					
VERSION			requests: clone@request@sanger.ac.uk					
KEYWORDS			On Oct 24, 2001 this sequence version replaced g1:15131189.					
SOURCE			During sequence assembly data is compared from overlapping clones. Where differences are found these are annotated as variations together with a note of the overlapping clone name. Note that the variation annotation may not be found in the sequence submission corresponding to the overlapping clone, as we submit sequences with only a small overlap as described above.					
ORGANISM			This sequence was finished as follows unless otherwise noted: all regions were either double-stranded or sequenced with an alternate chemistry or covered by high quality data (i.e., phred quality >= 30); an attempt was made to resolve all sequence problems, such as compressions and repeats; all regions were covered by at least one plasmid subclone or more than one M13 subclone; and the assembly was confirmed by restriction digest. The following abbreviations are used to associate primary accession numbers give					

in the feature table with their source databases: Em:, EMBL; Ss:, SWISSPROT; Tr:, TREMBL; Wp:, WORMPEP; information on the WORMPEP database can be found at http://www.sanger.ac.uk/Projects/C_elegans/wormpep This sequence was generated from part of bacterial clone contigs of human chromosome 10, constructed by the Sanger Centre Chromosome 10 Mapping Group. Further information can be found at <http://www.sanger.ac.uk/HGP/Ch10> RP11-9E13 is from the library RPCI-11.1 constructed by the group of Pieter de Jong. For further details see <http://www.choi.org/bacpac/home.htm> VECTOR: PHACE3.6

IMPORTANT: This sequence is not the entire insert of clone RP11-9E13. It may be shorter because the sequence overlapping sections only once, except for a short overlap. The true right end of clone RP11-9E13 is at 138733 in this sequence. The true right end of clone RP11-135K11 is at 2000 in this sequence.

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	/db_xref="Taxon:9606"
	/chromosome="10"
	/clone="RP1-9E13"
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	55963 .. 56014
	/note="Sequence from uni-directional dgTP big dye terminator reads only."
	62420 .. 63555
	/note="CpG island"
	/evidence-not_experimental
	67805 .. 67836
	/note="Single clone region. Assembly confirmed by restriction digest data."
	77610 .. 77625
	/note="Single clone region. Assembly confirmed by restriction digest data."
	127610 .. 128010
	/note="CpG island"
	/evidence-not_experimental
USE COUNT	43280
ORIGIN	a 29780 c 28584 g 37089 t

VERSION	AX09372-1	GI	134413635
KEYWORDS	.		
SOURCE	synthetic construct.		
ORGANISM	synthetic construct		
REFERENCE	artificial sequence.		
AUTHORS	1 (bases 1 to 32)		
TITLE	Chaudhary, S., van Rooijen, G., Moloney, M.M. and Singh, S.		
JOURNAL	Flax seed specific promoters		
NATURES	Patent: WO 0116340-A 22 08-MAR-2001; SemBioSys Genetics Inc. (CA) : COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION (AU)		
source	Location/Qualifiers		
	1. 32		
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Matches 24;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;	
DEFINITION	Sesamum indicum lns globulin mNEA,	complete cds.			
ACCESSION	AF240004				
VERSION	AF240004				
KEYWORDS	AF240004.1	GI:13183172			
SOURCE	sesame				
ORGANISM	Sesamum indicum				
	Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;				
	Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;				
	Asteridae; euanthids I; Lamiales; Pedaliaceae; Sesamum.				
REFERENCE	1 (bases 1 to 1683)				
AUTHORS	Tai, S. S. K. and Tzen, J. T. C.				
TITLE	Molecular cloning of three storage proteins in sesame				
JOURNAL	Unpublished				
REFERENCE	2 (bases 1 to 1683)				
AUTHORS	Tai, S. S. K. and Tzen, J. T. C.				
TITLE	Direct Submission				
JOURNAL	Submitted (01-MAR-2000) Graduate Institute of Agricultural Biotechnology, National Chung-Hsing University, Taichung 40227, Taiwan				
FEATURES	Location/Qualifiers				
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	/product="11S globulin"				
	/protein_id="AAK15087.1"				
	/translation="MALTISLSEFFIVVTLIRGLSAQLAGEQDFYIWQDLSQQHQHKLQ				
	ARTDCRVEILTADEPTIIFSEAGLFWDRDNQKDFQKVRDFRQDGLLA				
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	LPAGLTWIFYNNCGEPLITVALLDTGNAANQDQTEPHEFLAGNPQGGRSYEGRPQT				
	EKQGETDTRIENGGDDELLADAFQGVDTQARLKGOODLRRVIAERSLDVLQGEE				
	EEWKRDETRISGANGLEELTQATKLRENLDPEPARADYVNPHGGRISLNLSTLPVLSWL				
	RLSAEKGVLYRNGLVAPWNLMAHSLIYTTSQGRCQVHTGRSYUFDGTVYREGOLII				
	VPONYVVKRASDQEGLEWISFKTNDMATSAGLRAISATMPEEVVITAYQVSRLDE				
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BASE COUNT	442 a	397 c	477 g	367 t	
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Best Local Similarity	100.0%	Pred. No. 0.39;			
Matches 24;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;	
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DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
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DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
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LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
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LOCUS	HTG 29 - MAY - 2000				
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RESULT	7				
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LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
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LOCUS	HTG 29 - MAY - 2000				
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RESULT	7				
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LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
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LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
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RESULT	7				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
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LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
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LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
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LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
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DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
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LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
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DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
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LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
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LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
LOCUS	HTG 29 - MAY - 2000				
DEFINITION	ttcaagaccaacgacaacgcgtg	1286			
RESULT	7</td				

SEQUENCE, 38 unordered pieces.

AC034196 AC034196.2 GT:8101269

HTGS_PHASE1: HTGS_DRAFT.

ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 133108)

AUTHORS Bao,J., Bao,Q., Bao,W., Bian,X., Cao,T., Chen,C., Chen,J., Ding,H., Dong,W., Fan,H., Feng,X., Guan,Q., Guo,D., He,L., Hu,S., Huang,F., Jin,Y., Kang,N., Li,C., Li,G., Li,J., Li,L., Li,S., Li,T., Liu,Y., Liu,N., Liu,Y., Liu,W., Li,W., Li,Y., Luo,J., Niu,Y., Qiu,Q., Qi,X., Song,S., Sun,M., Sun,W., Sun,Y., Tao,R., Wang,H., Wang,J., Wang,L., Wang,L., Wang,R., Wang,X., Wang,Y., Wang,Y., Wu,Q., Xie,F., Xuan,Z., Xue,Y., Yan,C., Yang,X., Yu,B., Zeng,Y., Zhang,G., Zhang,H., Zhang,J., Zhang,L., Zhang,M., Zhang,X., Zhang,Y., Zhang,Y., Zhang,Z., Zhu,B., Yu,J. and Yang,H.

TITLE Chromosome 3p genomic sequence

JOURNAL Unpublished

AUTHORS Li,W., Hu,S., Dong,W., Wang,J., Zhang,Y., Zhang,H., Liu,B., Bao,W., Sun,Y., Wu,Q., Wang,H., Yang,X., Cheng,C., Wang,Y., Niu,Y., Niu,Y., Qi,X., Li,T., Zhang,H., Liu,N., Wu,D., Yu,B., Fan,H., Liu,Y., Li,G., Li,C., Bao,Q., Bao,J., Wang,X., Song,L., Zhang,L., Guo,D., Huang,F., Zhang,G., Li,J., Bian,X., Zhang,M., Li,L., Feng,X., Yu,J. and Yang,H.

2 (bases 1 to 133108)

AUTHORS Li,W., Hu,S., Dong,W., Wang,J., Zhang,Y., Zhang,H., Liu,B., Bao,W., Sun,Y., Wu,Q., Wang,H., Yang,X., Cheng,C., Wang,Y., Niu,Y., Niu,Y., Qi,X., Li,T., Zhang,H., Liu,N., Wu,D., Yu,B., Fan,H., Liu,Y., Li,G., Li,C., Bao,Q., Bao,J., Wang,X., Song,L., Zhang,L., Guo,D., and Yang,H.

Direct Submission

Submitted (05-APR-2000) Human Genomic Center, Institute of Genetics, Chinese Academy of Sciences, Datun Road, Beijing, Beijing

100101, P. R. China

On May 29, 2000 this sequence version replaced gi:7417469.

JOURNAL -----Genome Center

-----Project Information

Center: Beijing Center

Center code:Beijing

Website:<http://hgc.igtp.ac.cn>

<http://www.genomics.org.cn>

Contact:igc@igtp.ac.cn

-----Project Information

Center project name:1% project

Center clone name: RP11-710B4

-----Summary Statistics

Sequencing vector: PUC18; 100% of reads

Chemistry: dye-terminator

Chemistry: Big Dye; 45% of reads

Assembly program: Phrap; version 0.99029

Consensus quality: 110057 bases at least Q40

Consensus quality: 124151 bases at least Q30

Consensus quality: 133102 bases at least Q20

Insert size: 102269; sum-of-contigs

Quality coverage: 3.16x in Q20 bases.sum-of-contigs

* NOTE: This is a 'working draft' sequence. It currently consists of 38 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.

* 1 1163: contig of 1163 bp in length

* 1164 1263: gap of unknown length

* 1264 2750: contig of 1481 bp in length

* 2751 2850: gap of unknown length

* 2851 3964: contig of 1114 bp in length

* 3965 4064: gap of unknown length

* 4065 5164: contig of 1100 bp in length

* 5165 5264: gap of unknown length

* 5265 6462: contig of 1198 bp in length

* 6463 6562: gap of unknown length

* 6563 7875: contig of 1313 bp in length

* 7876 7975: gap of unknown length

9431: contig of 1456 bp in length

9531: gap of unknown length

9532 11077: contig of 1546 bp in length

11078 11177: gap of unknown length

11178 12990: contig of 1813 bp in length

12991 13090: gap of unknown length

13091 15234: contig of 2144 bp in length

15235 15334: gap of unknown length

15335 17069: contig of 1735 bp in length

17070 17169: gap of unknown length

17170 18806: contig of 1637 bp in length

18807 18906: gap of unknown length

18907 20498: contig of 1592 bp in length

20499 20598: gap of unknown length

20599 23090: contig of 2492 bp in length

23091 23190: gap of unknown length

23191 26302: contig of 3112 bp in length

26303 26402: gap of unknown length

26403 28833: contig of 231 bp in length

28834 28933: gap of unknown length

28934 31329: contig of 2396 bp in length

31330 31429: gap of unknown length

31430 33222: contig of 1793 bp in length

33223 33322: gap of unknown length

33323 35270: contig of 2248 bp in length

35571 35670: gap of unknown length

35671 37854: contig of 2184 bp in length

37855 37954: gap of unknown length

37955 39204: contig of 1250 bp in length

39205 39304: gap of unknown length

39305 42732: contig of 3428 bp in length

42732 42832: gap of unknown length

42832 42933: contig of 2417 bp in length

42933 44250: 45349: gap of unknown length

44250 45350: 48684: contig of 3335 bp in length

48685 48784: gap of unknown length

48785 52145: contig of 3361 bp in length

52145 52245: gap of unknown length

52245 52333: contig of 3492 bp in length

52333 55238: 56037: gap of unknown length

55238 56038: 59194: contig of 3457 bp in length

59195 59594: gap of unknown length

59595 64139: contig of 4845 bp in length

64139 64440: 64539: gap of unknown length

64440 65950: contig of 5051 bp in length

65950 69591: 74741: contig of 5051 bp in length

69591 74742: 74841: gap of unknown length

74742 74842: 79798: contig of 4957 bp in length

79798 79899: 84121: contig of 4823 bp in length

79899 84722: 84821: gap of unknown length

84722 84822: 84994: contig of 4673 bp in length

84994 85994: gap of unknown length

85994 89595: 96167: contig of 6573 bp in length

89595 96168: 105799: contig of 9532 bp in length

96168 105800: 105800: 110900: 11293: contig of 8394 bp in length

110900 11294: 113193: gap of unknown length

11294 114394: 124481: contig of 9088 bp in length

114394 124481: 124482: 124482: 124482: 133108: contig of 9527 bp in length.

FEATURES Source

1. 1.133108 "Homo sapiens"

/organism="Homo sapiens"

/db_xref="Taxon:9606"

/chromosome="3"

/map="3p"

/clone="RP11-710E4"

misc_feature

1. 1.1163 "assembly_name:Contig12"

/note="assembly_name:Contig12"

misc_feature

1264. -2750

misc_feature /note="assembly_name:Contig16" 2851..394
 misc_feature /note="assembly_name:Contig17" 4065..5164
 misc_feature /note="assembly_name:Contig20" 5265..662
 misc_feature /note="assembly_name:Contig23" 6563..7875
 misc_feature /note="assembly_name:Contig26" 7976..9431
 misc_feature /note="assembly_name:Contig28" 9532..11077
 misc_feature /note="assembly_name:Contig29" 1117..11990
 misc_feature /note="assembly_name:Contig30 clone_end:T7 vector_side:right" 13091..15234
 misc_feature /note="assembly_name:Contig32" 15335..17069
 misc_feature /note="assembly_name:Contig33" 17170..18806
 misc_feature /note="assembly_name:Contig34" 18907..20499
 misc_feature /note="assembly_name:Contig35" 20599..23090
 misc_feature /note="assembly_name:Contig36" 23191..26302
 misc_feature /note="assembly_name:Contig37" 26403..28833
 misc_feature /note="assembly_name:Contig38" 28934..31229
 misc_feature /note="assembly_name:Contig39" 31430..33222
 misc_feature /note="assembly_name:Contig40" 33323..35550
 misc_feature /note="assembly_name:Contig41" 35671..37855
 misc_feature /note="assembly_name:Contig42" 37955..39204
 misc_feature /note="assembly_name:Contig43" 39305..42732
 misc_feature /note="assembly_name:Contig44" 42833..45249
 misc_feature /note="assembly_name:Contig45" 45350..48884
 misc_feature /note="assembly_name:Contig46" 4885..52145
 misc_feature /note="assembly_name:Contig47" 52246..55337
 misc_feature /note="assembly_name:Contig48" 56038..59494

Query Match 0..5% Score 24; DB 2; Length 133108;
 Best Local Similarity 100.0%; Pred. No. 0..4;
 Matches 24; Conservative 0; Mismatches 0; Indels 0; caps 0;

QY 3803 gtaaaatataatataataataaa 3826
 Db 120755 GTAAAATATATGTAAATAAA 120778

RESULT 8
 AC022096 AC022096 148598 bp DNA linear HTG 18-JUL-2000
 LOCUS Homo sapiens chromosome 5 clone C1B-4 3D14, WORKING DRAFT SEQUENCE,
 DEFINITION 20 ordered pieces.
 ACCESSION AC022096
 VERSION AC022096.4 GI:9256401
 KEYWORDS HTG; HTGS_PHASE2; HTGS_DRAFT.
 SOURCE human
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 148598)
 DOE Joint Genome Institute,
 Sequencing of Human Chromosome 5
 2 (bases 1 to 148598)
 DOE Joint Genome Institute.
 Direct Submission
 Submitted (26-JAN-2000) Production Sequencing Facility, DOE Joint
 genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
 On Jul 18, 2000 this sequence version replaced gi:7711677.
 ----- Genome Center
 Center: Joint Genome Institute
 Center Code: JGI
 Web site: <http://www.jgi.doe.gov>

 Project Information
 Center Project Name: 80802
 Center clone name: C1B978SKB_43D14

 Summary Statistics
 Consensus quality: 133423 bases at least Q40
 Consensus quality: 144004 bases at least Q30
 Consensus quality: 145802 bases at least Q20
 Estimated insert size: 141698; sum-of-contigs estimation
 Estimated insert size: 141698; pulse field gel estimation
 Quality coverage: 5..34 in Q20 bases; pulse field gel estimation
 Quality coverage: 6..36 in Q20 bases; sum-of-contigs estimation.
 * NOTE: This is a 'working draft' sequence. It currently
 * consists of 20 contigs. Gaps between the contigs
 * are represented as runs of N. The order of the pieces
 * is believed to be correct as given, however the sizes
 * of the gaps between them are based on estimates that have
 * provided by the submitter.
 * This sequence will be replaced
 * by the finished sequence as soon as it is available and
 * the accession number will be preserved.
 * 1 5195: contig of 5195 bp in length
 * 5196 5295: gap of unknown length
 * 5296 15625: contig of 10130 bp in length
 * 15625..15925: gap of unknown length
 * 15426..20947: contig of 5422 bp in length
 * 20948..21047: gap of unknown length
 * 21048..26789: contig of 572 bp in length
 * 26790..26899: gap of unknown length
 * 26890..32943: contig of 6054 bp in length
 * 32943..33044: gap of unknown length
 * 33044..38651: contig of 5608 bp in length
 * 38651..38751: gap of unknown length
 * 38752..64412: contig of 25661 bp in length
 * 64413..64512: gap of unknown length
 * 64513..79245: contig of 14733 bp in length
 * 79245..79345: gap of unknown length
 * 79345..82132: contig of 2787 bp in length
 * 82133..82232: gap of unknown length
 * 82233..86479: contig of 4246 bp in length
 * 86479..86579: gap of unknown length
 * 86579..90700: contig of 4122 bp in length
 * 90700..90800: gap of unknown length
 * 90801..93106: contig of 2306 bp in length
 * 93107..93206: gap of unknown length
 * 93206..99456: contig of 17320 bp in length
 * 99456..99536: gap of unknown length
 * 99536..99547 116776: contig of 6150 bp in length
 * 99547..116777: gap of unknown length
 * 116777..116877: contig of 1050 bp in length
 * 116877..117927: gap of unknown length
 * 117927..118027: contig of 9684 bp in length
 * 118027..127710: contig of 127711
 * 127711..127810: gap of unknown length
 * 127811..136755: contig of 8945 bp in length
 * 136755..136856: gap of unknown length
 * 136856..138975: contig of 2120 bp in length
 * 138975..139075: gap of unknown length

Assembly program: Phrap; version 0.990329
 Consensus quality: 115486 bases at least Q40
 Consensus quality: 144075 bases at least Q30
 Consensus quality: 163107 bases at least Q20
 Insert size: 88663; sum-of-contigs 3.78 x Q20 bases; sum-of-contigs 1
 Quality coverage: 3.78 x Q20 bases; sum-of-contigs 1
 * This record will be updated with the finished sequence as soon as it is available and the accession number be preserved.
 * This is a 'working draft' sequence. It currently consists of 57 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown.
 * This record will be updated with the finished sequence as soon as it is available and the accession number be preserved.
 1 1540: contig of 1540 bp in length
 * 1541 1640: gap of unknown length
 * 1641 2835: gap of 1195 bp in length
 * 2836 2335: gap of unknown length
 * 2936 4034: contig of 1099 bp in length
 * 4035 4134: gap of unknown length
 * 4135 5760: contig of 1626 bp in length
 * 5761 5860: gap of unknown length
 * 5861 7021: contig of 1161 bp in length
 * 7022 7121: gap of unknown length
 * 7122 8431: contig of 1310 bp in length
 * 8432 8531: gap of unknown length
 * 8532 10150: contig of 1619 bp in length
 * 10151 10250: gap of unknown length
 * 10251 11827: contig of 1577 bp in length
 * 11828 11927: gap of unknown length
 * 11928 13240: contig of 1313 bp in length
 * 13241 13340: gap of unknown length
 * 13341 14802: contig of 1462 bp in length
 * 14803 14901: gap of unknown length
 * 14903 16661: contig of 1759 bp in length
 * 16662 16761: gap of unknown length
 * 16762 18070: contig of 1309 bp in length
 * 18071 18170: gap of unknown length
 * 18171 19601: contig of 1431 bp in length
 * 19602 19701: gap of unknown length
 * 19702 21364: contig of 1663 bp in length
 * 21365 23376: contig of 1312 bp in length
 * 23377 25416: gap of unknown length
 * 25429 25579: contig of 2063 bp in length
 * 25480 27646: contig of 2067 bp in length
 * 27647 27746: gap of unknown length
 * 27747 29548: contig of 1822 bp in length
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 * 29649 31701: contig of 2053 bp in length
 * 31702 31801: gap of unknown length
 * 31802 33144: contig of 1343 bp in length
 * 33145 33244: gap of unknown length
 * 33245 34555: contig of 1291 bp in length
 * 34556 34636: gap of unknown length
 * 34636 35728: contig of 1093 bp in length
 * 35729 35828: gap of unknown length
 * 35829 37639: contig of 1811 bp in length
 * 37640 37739: gap of unknown length
 * 37740 40142: contig of 2403 bp in length
 * 40143 40422: gap of unknown length
 * 40423 41571: contig of 1328 bp in length
 * 41571 41670: gap of unknown length
 * 41671 43259: contig of 1589 bp in length
 * 43260 43359: gap of unknown length
 * 43360 45147: contig of 1788 bp in length
 * 45148 45247: gap of unknown length
 * 45248 46915: contig of 1728 bp in length
 * 46976 47075: gap of unknown length
 * 47076 49136: contig of 2061 bp in length
 * 49137 49236: gap of unknown length

FEATURES source 1. 49237 52178: contig of 2942 bp in length
 * 52279 54957: gap of unknown length
 * 54958 55057: contig of 2679 bp in length
 * 55058 57417: gap of unknown length
 * 57418 57517: contig of 2360 bp in length
 * 57518 60195: gap of unknown length
 * 60196 62295: contig of 2678 bp in length
 * 62296 62395: gap of unknown length
 * 62395 64401: contig of 2006 bp in length
 * 64402 64501: gap of unknown length
 * 64502 67886: contig of 3185 bp in length
 * 67887 67988: gap of unknown length
 * 67987 70888: contig of 2902 bp in length
 * 70889 73943: contig of 2955 bp in length
 * 73944 74043: gap of unknown length
 * 74044 76750: contig of 2707 bp in length
 * 76751 76850: gap of unknown length
 * 76851 79324: contig of 2474 bp in length
 * 79325 81198: gap of unknown length
 * 81199 81298: contig of 1774 bp in length
 * 81299 84892: gap of unknown length
 * 84893 84993: contig of 3534 bp in length
 * 84993 87653: gap of unknown length
 * 87654 87753: contig of 2661 bp in length
 * 87754 91151: gap of unknown length
 * 91152 91251: gap of unknown length
 * 91252 93951: contig of 2700 bp in length
 * 93952 94051: gap of unknown length
 * 94052 98226: contig of 4175 bp in length
 * 98227 98326: gap of unknown length
 * 98327 102109: contig of 3763 bp in length
 * 102110 102109: gap of unknown length
 * 102210 105933: contig of 3724 bp in length
 * 105934 106033: gap of unknown length
 * 106034 109844: contig of 3811 bp in length
 * 109844 109944: gap of unknown length
 * 109945 112749: contig of 2805 bp in length
 * 112750 112849: gap of unknown length
 * 112850 117845: contig of 4996 bp in length
 * 117846 117945: gap of unknown length
 * 117946 122444: contig of 4499 bp in length
 * 122445 122544: gap of unknown length
 * 122545 128723: contig of 6179 bp in length
 * 128724 128823: gap of unknown length
 * 128824 134603: contig of 5780 bp in length
 * 134604 134703: gap of unknown length
 * 134704 140178: contig of 5475 bp in length
 * 140179 140279: gap of unknown length
 * 140279 147121: contig of 6743 bp in length
 * 147122 152602: contig of 5481 bp in length.

FEATURES source 1. 152602: Location/Qualifiers
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /map="3p"
 /clone="RP11-416H8"

FEATURES source 1. 1540: misc_feature
 /note="assembly_name:Contig42"
 1641. 1641: misc_feature
 /note="assembly_name:Contig45"
 2936. 2936: misc_feature
 /note="assembly_name:Contig46"
 4135. 4135: misc_feature
 /note="assembly_name:Contig51"
 5861. 5861: misc_feature
 /note="assembly_name:Contig52"
 7122. 7122: misc_feature

FEATURES source 1. 152602: misc_feature
 /note="assembly_name:Contig57"
 8332. 8332: misc_feature
 /note="assembly_name:Contig62"
 10251. 10251: misc_feature
 /note="assembly_name:Contig63"
 11928. 11928: misc_feature
 /note="assembly_name:Contig640"

Query Match 0.5%; Score 24; DB 2; Length 152602;
 Best Local Similarity 100.0%; Pre. No. 0.4;
 Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3803 gtaaaatatgtataataataaa 3826
 Db 148305 GTAAATATATGTATAATATAA 148282

RESULT 10
 AC024377 LOCUS AC024377 Homo sapiens clone RP11-611H22, WORKING DRAFT SEQUENCE, 24 unordered pieces.

DEFINITION AC024377.3
 AC024377.3 HTGS_DRAFT.

ACCESSION AC024377.3 GI:8076825
 VERSION HTGS_PHASE1; HTGS_DRAFT.

KEYWORDS Human.

ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 162433)
 Barren.B., Linton.L., Husbaum.C., and Lander.E.

AUTHORS Barren.B., Linton.L., Husbaum.C., and Lander.E.

TITLE Homo sapiens, clone RP11-611H22

JOURNAL Unpublished

REFERENCE (bases 1 to 162433)
 Barren.B., Linton.L., Husbaum.C., and Lander.E.

AUTHORS Anderson,S., Baldwin,J., Barna,N., Beda,F., Boguslavsky,L., Boukgaalter,B., Brown,G., Campopiano,A., Castle,A., Choepel,Y., Collangelo,M., Collins,S., Collymore,A., Cooke,P., Dearellano,K., Dewar,K., Diaz,J.S., Dodge,S., Domino,W., Doyle,M., Fenestor,J., Ferreira,P., FitzHugh,W., Forrest,C., Gage,D., Galagan,J., Gardyna,S., Ginde,S., Goyette,M., Graham,L., Grand-Pierre,N., Grant,G., Haggos,B., Heatford,A., Horton,L., Howland,J.C., Iliev,I., Jones,C., Kann,L., Karatas,A., Klein,J., Landers,T., Largoque,K., Lehozky,J., Levine,R., Liou,C., Liu,G., Locke,K., Macdonald,P., Marquis,N., McCarthy,M., McEwan,B., McGurk,A., McKernan,K., McPheevers,R., Meldrim,J., Menas,J., Mihova,T., Miranda,C., Mlenga,V., Morrow,J., Naylor,J., Norman,C.H., O'Connor,T., O'Donnell,P., Olivari,T.M., Peterson,K., Pierre,N., Pisani,C., Pollara,V., Raymond,C., Riley,R., Rogov,P., Rothman,D., Roy,A., Santos,R., Severy,P., Spencer,B., Stange-Thomann,N., Stojanovic,N., Subramanian,A., Talamas,J., Testray,S., Theodore,J., Tirrell,A., Travers,M., Trigilio,J., Vassiliev,H., Viel,R., Vo,A., Wilson,B., Wu,X., Wyman,D., Ye,W.J., Young,G., Zainoun,J., Zimmer,A. and Zody,M.

TITLE Direct Submission
 JOURNAL Submitted (28-FEB-2000) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA

COMMENT On May 25, 2000 this sequence version replaced gi:7321591. All repeats were identified using RepeatMasker: Smit, A.F.A. & Green, P. (1996-1997) http://ftp.genome.washington.edu/RM/RepeatMasker.html

----- Project Information
 Center Project name: L658
 Center Clone name: 611.H.22
 ----- Summary Statistics
 Sequencing vector: M13; M7815; 100% of reads
 Chemistry: Dye-Terminator Big Dye; 100% of reads
 Assembly Program: Phrap; version 0.960731.

Consensus quality: 147711 bases at least Q40
 Consensus quality: 155048 bases at least Q30
 Consensus quality: 158115 bases at least Q20
 Insert size: 170000; agarose-fp
 Insert size: 160333; sum-of-contigs
 Quality coverage: 3.3 in Q20 bases; agarose-fp
 Quality coverage: 3.5 in Q20 bases; sum-of-contigs

* NOTE: This is a 'working draft' sequence. It currently consists of 24 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.

* 1375 1474: contig of 1374 bp in length
 * 1375 1474: gap of 100 bp
 * 1475 2181: contig of 707 bp in length
 * 2182 2281: gap of 100 bp
 * 2282 2673: contig of 392 bp in length
 * 2674 2773: gap of 100 bp
 * 2774 5106: contig of 2333 bp in length
 * 5107 5206: gap of 100 bp
 * 5207 7656: contig of 2450 bp in length
 * 7657 7756: gap of 100 bp
 * 7757 9790: contig of 2034 bp in length
 * 9791 9890: gap of 100 bp
 * 9891 13044: contig of 3954 bp in length
 * 13044 13944: gap of 100 bp
 * 13945 16502: contig of 2558 bp in length
 * 16503 16602: gap of 100 bp
 * 16603 19777: contig of 3175 bp in length
 * 19778 19877: gap of 100 bp
 * 19878 23324: contig of 3247 bp in length
 * 23325 23224: gap of 100 bp
 * 23225 28382: contig of 5058 bp in length
 * 28383 31743: contig of 3361 bp in length
 * 31744 31843: gap of 100 bp
 * 31844 37179: contig of 5636 bp in length
 * 37180 37579: gap of 100 bp
 * 37580 44685: contig of 7106 bp in length
 * 44686 44785: gap of 100 bp
 * 44786 52269: contig of 7584 bp in length
 * 52320 52469: gap of 100 bp
 * 52470 60977: contig of 8518 bp in length
 * 60988 61087: gap of 100 bp
 * 61088 71201: contig of 10114 bp in length
 * 71202 71301: gap of 100 bp
 * 71302 81815: contig of 10514 bp in length
 * 81816 81915: gap of 100 bp
 * 81916 93448: contig of 11503 bp in length
 * 93448 93518: gap of 100 bp
 * 93519 107088: contig of 13490 bp in length
 * 107099 107108: gap of 100 bp
 * 107109 117125: contig of 10017 bp in length
 * 117126 117225: gap of 100 bp
 * 117226 129994: contig of 12769 bp in length
 * 129995 130094: gap of 100 bp
 * 130095 143708: contig of 1361 bp in length
 * 143709 143808: gap of 100 bp
 * 143809 162433: contig of 18625 bp in length.

Location/Qualifiers
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 /db_xref="taxon:9606"
 /clone="RP11-611H22"
 1. 1-1374
 /note="assembly_fragment"
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 /note="assembly_fragment"
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 /note="assembly_fragment"

FEATURES
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 misc_feature
 misc_feature

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/note= "assembly_fragment"
clone_end:SP6
vector_side:right"
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/note= "assembly_fragment"
5207. .7656
/note= "assembly_fragment"
757. .9790
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16603. .19777
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19878. .23124
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/note= "assembly_fragment"
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/note= "assembly_fragment"
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ORIGIN

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Best Local Similarity 100.0%; Pred. No. 0
Matches 24; Conservative 0; Mismatches
DEFINITION Homo sapiens chromosome 3p clone R
SEQUENCE 5 unorderd pieces.
ACCESSION AC018496
VERSION AC018496.2 GI:6884201
KEYWORDS HRG_Phase1; HGVS_DRAFT;
SOURCE human.
ORGANISM Homo sapiens
Mammalia; Eutheria; Primates; Cata
Eukaryota; Metazoa; Chordata; Cran
RESULT 11
AC018496/C AC018496 163272 bp
LOCUS DEFINITION Homo sapiens chromosome 3p clone R
DEFINITION Homo sapiens chromosome 3p clone R
SEQUENCE 5 unorderd pieces.
ACCESSION AC018496
VERSION AC018496.2 GI:6884201
KEYWORDS HRG_Phase1; HGVS_DRAFT;
SOURCE human.
ORGANISM Homo sapiens
Mammalia; Eutheria; Primates; Cata
Eukaryota; Metazoa; Chordata; Cran

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REFERENCE 1 (bases 1 to 163272) AUTHORS Bao,J., Hu,S., Dong,W., Zhang,X., Wang,J., Zhang,Y., Zhang,H., Liu,B., Bao,W., Wu,Q., Wang,H., Yang,X., Cheng,C., Wang,Y., Liu,Y., Qi,X., Wu,Y., Wang,X., Zhang,H., Liu,N., Wu,D., Yu,B., Fan,H., Guo,D., Huang,F., Bao,Q., Li,C., Bao,Q., Wang,X., Song,L., Wang,X., Feng,X., Yu,J. and Yang,H.

JOURNAL Unpublished 2 (bases 1 to 163272)

REFERENCE AUTHORS Sun,Y., Wu,Q., Wang,H., Yang,X., Cheng,C., Wang,Y., Liu,Y., Li,C., Bao,J., Wang,X., Song,L., Zhang,L., Guo,D., Huang,F., Zhang,G., Li,J., Bian,X., Zhang,M., Li,L., and Yang,H.

JOURNAL Unpublished (21-MAR-2000) Human Genomic Center, Institute of Genetics, Chinese Academy of Sciences, Datun Road, Beijing, China

COMMENT On Jan 9, 2000 this sequence version replaced gi:5563492.

NOTE: This is a 'working draft' sequence. It currently consists of 5 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.

1: 4841: contig of 4841 bp in length

2: 26723: contig of 21882 bp in length

3: 57119: contig of 30396 bp in length

4: 57120: 104873: contig of 4754 bp in length

5: 104874: Location/Qualifiers 1: 163272

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BASE COUNT 51500 a 30337 c 29864 g 51563 t 8 others

FEATURES ORIGIN

Query Match Best Local Similarity 100.0% Score 24; DB 2; Length 163272; Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3803 9taaaatataatgtataaaataaa 38266

Db 84958 GTAAATATATGTATAATATAAA 84935

RESULT 12 AC026190

LOCUS AC026190 165077 bp DNA linear HTG 29-MAY-2000

DEFINITION Homo sapiens chromosome 3 clone RP1-372k9 map 3p, WORKING DRAFT

SEQUENCE, 19 unordered pieces.

AC026190 AC026190_2 GI:8101204

KEYWORDS HTG; HTGS_PHASE1; HTGS_DRAFT.

SOURCE human. Homo sapiens

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.

REFERENCE 1 (bases 1 to 165077)

AUTHORS Bao,J., Bao,Q., Bao,W., Bian,X., Feng,X., Guo,D., He,L., Hu,S., Huang,F., Jin,Y., Kang,N., Li,C., Li,J., Li,L.,

TITLE Chromosome 3p genomic sequence

JOURNAL Unpublished 2 (bases 1 to 165077)

REFERENCE AUTHORS Bao,W., Sun,Y., Wu,Q., Wang,H., Yang,X., Cheng,C., Wang,Y., Liu,Y., Li,C., Bao,J., Wang,X., Yu,B., Fan,H., Liu,Y., Li,G., Bao,Q., Bao,J., Wang,X., Song,L., Zhang,L., Guo,D., Huang,F., Zhang,G., Li,J., Bian,X., Zhang,M., Li,L., Feng,X., Yu,J. and Yang,H.

JOURNAL Direct Submission Submitted (21-MAR-2000) Human Genomic Center, Institute of Genetics, Chinese Academy of Sciences, Datun Road, Beijing, China

COMMENT On May 29, 2000 this sequence version replaced gi:7272007.

Center:Beijing Center Center code:Beijing Website:<http://hgc.igcp.ac.cn> http://www.genomics.org.cn Contact:hgc@igcp.ac.cn

Project Information Center project name:18 project Center clone name: RP1-372k9

Summary Statistics Sequencing vector: pUC18; 100% of reads Chemistry: Dye-terminator: ET 55% of reads Center:Beijing Center Center code:Beijing Website:<http://hgc.igcp.ac.cn> http://www.genomics.org.cn Contact:hgc@igcp.ac.cn

Project Information Center project name:18 project Center clone name: RP1-372k9

Quality coverage: 3.38x in Q20 bases; sum-of-contigs

NOTE: This is a 'working draft' sequence. It currently consists of 19 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.

1: 1161: contig of 1161 bp in length

2: 1261: contig of 1100 bp in length

3: 2361: contig of 1100 bp in length

4: 2461: gap of unknown length

5: 2462: 4676: contig of 2215 bp in length

6: 4677: 4776: gap of unknown length

7: 7509: contig of 2733 bp in length

8: 7609: gap of unknown length

9: 7709: 10791: contig of 3182 bp in length

10: 10792: 10891: gap of unknown length

11: 1162: 1261: contig of 1100 bp in length

12: 2362: 2461: gap of unknown length

13: 2462: 4676: contig of 2215 bp in length

14: 4677: 4776: gap of unknown length

15: 7509: contig of 2733 bp in length

16: 7609: gap of unknown length

17: 7709: 10791: contig of 3182 bp in length

18: 10792: 10891: gap of unknown length

19: 1161: contig of 1161 bp in length

20: 1261: contig of 1100 bp in length

21: 2361: contig of 1100 bp in length

22: 2461: gap of unknown length

23: 2462: 4676: contig of 2215 bp in length

24: 4677: 4776: gap of unknown length

25: 7509: contig of 2733 bp in length

26: 7609: gap of unknown length

27: 7709: 10791: contig of 3182 bp in length

28: 10792: 10891: gap of unknown length

29: 1161: contig of 1161 bp in length

30: 1261: contig of 1100 bp in length

31: 2361: contig of 1100 bp in length

32: 2461: gap of unknown length

33: 2462: 4676: contig of 2215 bp in length

34: 4677: 4776: gap of unknown length

35: 7509: contig of 2733 bp in length

36: 7609: gap of unknown length

37: 7709: 10791: contig of 3182 bp in length

38: 10792: 10891: gap of unknown length

39: 1161: contig of 1161 bp in length

40: 1261: contig of 1100 bp in length

41: 2361: contig of 1100 bp in length

42: 2461: gap of unknown length

43: 2462: 4676: contig of 2215 bp in length

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45: 7509: contig of 2733 bp in length

46: 7609: gap of unknown length

47: 7709: 10791: contig of 3182 bp in length

48: 10792: 10891: gap of unknown length

49: 1161: contig of 1161 bp in length

50: 1261: contig of 1100 bp in length

51: 2361: contig of 1100 bp in length

52: 2461: gap of unknown length

53: 2462: 4676: contig of 2215 bp in length

54: 4677: 4776: gap of unknown length

55: 7509: contig of 2733 bp in length

56: 7609: gap of unknown length

57: 7709: 10791: contig of 3182 bp in length

58: 10792: 10891: gap of unknown length

59: 1161: contig of 1161 bp in length

60: 1261: contig of 1100 bp in length

61: 2361: contig of 1100 bp in length

62: 2461: gap of unknown length

63: 2462: 4676: contig of 2215 bp in length

64: 4677: 4776: gap of unknown length

65: 7509: contig of 2733 bp in length

66: 7609: gap of unknown length

67: 7709: 10791: contig of 3182 bp in length

68: 10792: 10891: gap of unknown length

69: 1161: contig of 1161 bp in length

70: 1261: contig of 1100 bp in length

71: 2361: contig of 1100 bp in length

72: 2461: gap of unknown length

73: 2462: 4676: contig of 2215 bp in length

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76: 7609: gap of unknown length

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78: 10792: 10891: gap of unknown length

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80: 1261: contig of 1100 bp in length

81: 2361: contig of 1100 bp in length

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85: 7509: contig of 2733 bp in length

86: 7609: gap of unknown length

87: 7709: 10791: contig of 3182 bp in length

88: 10792: 10891: gap of unknown length

89: 1161: contig of 1161 bp in length

90: 1261: contig of 1100 bp in length

91: 2361: contig of 1100 bp in length

92: 2461: gap of unknown length

93: 2462: 4676: contig of 2215 bp in length

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96: 7609: gap of unknown length

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98: 10792: 10891: gap of unknown length

99: 1161: contig of 1161 bp in length

100: 1261: contig of 1100 bp in length

101: 2361: contig of 1100 bp in length

102: 2461: gap of unknown length

103: 2462: 4676: contig of 2215 bp in length

104: 4677: 4776: gap of unknown length

105: 7509: contig of 2733 bp in length

106: 7609: gap of unknown length

107: 7709: 10791: contig of 3182 bp in length

108: 10792: 10891: gap of unknown length

109: 1161: contig of 1161 bp in length

110: 1261: contig of 1100 bp in length

111: 2361: contig of 1100 bp in length

112: 2461: gap of unknown length

113: 2462: 4676: contig of 2215 bp in length

114: 4677: 4776: gap of unknown length

115: 7509: contig of 2733 bp in length

116: 7609: gap of unknown length

117: 7709: 10791: contig of 3182 bp in length

118: 10792: 10891: gap of unknown length

119: 1161: contig of 1161 bp in length

120: 1261: contig of 1100 bp in length

121: 2361: contig of 1100 bp in length

122: 2461: gap of unknown length

123: 2462: 4676: contig of 2215 bp in length

124: 4677: 4776: gap of unknown length

125: 7509: contig of 2733 bp in length

126: 7609: gap of unknown length

127: 7709: 10791: contig of 3182 bp in length

128: 10792: 10891: gap of unknown length

129: 1161: contig of 1161 bp in length

130: 1261: contig of 1100 bp in length

131: 2361: contig of 1100 bp in length

132: 2461: gap of unknown length

133: 2462: 4676: contig of 2215 bp in length

134: 4677: 4776: gap of unknown length

135: 7509: contig of 2733 bp in length

136: 7609: gap of unknown length

137: 7709: 10791: contig of 3182 bp in length

138: 10792: 10891: gap of unknown length

139: 1161: contig of 1161 bp in length

140: 1261: contig of 1100 bp in length

141: 2361: contig of 1100 bp in length

142: 2461: gap of unknown length

143: 2462: 4676: contig of 2215 bp in length

144: 4677: 4776: gap of unknown length

145: 7509: contig of 2733 bp in length

146: 7609: gap of unknown length

147: 7709: 10791: contig of 3182 bp in length

148: 10792: 10891: gap of unknown length

149: 1161: contig of 1161 bp in length

150: 1261: contig of 1100 bp in length

151: 2361: contig of 1100 bp in length

152: 2461: gap of unknown length

153: 2462: 4676: contig of 2215 bp in length

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158: 10792: 10891: gap of unknown length

159: 1161: contig of 1161 bp in length

160: 1261: contig of 1100 bp in length

161: 2361: contig of 1100 bp in length

162: 2461: gap of unknown length

163: 2462: 4676: contig of 2215 bp in length

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165: 7509: contig of 2733 bp in length

166: 7609: gap of unknown length

167: 7709: 10791: contig of 3182 bp in length

168: 10792: 10891: gap of unknown length

169: 1161: contig of 1161 bp in length

170: 1261: contig of 1100 bp in length

171: 2361: contig of 1100 bp in length

172: 2461: gap of unknown length

173: 2462: 4676: contig of 2215 bp in length

174: 4677: 4776: gap of unknown length

175: 7509: contig of 2733 bp in length

176: 7609: gap of unknown length

177: 7709: 10791: contig of 3182 bp in length

178: 10792: 10891: gap of unknown length

179: 1161: contig of 1161 bp in length

180: 1261: contig of 1100 bp in length

181: 2361: contig of 1100 bp in length

182: 2461: gap of unknown length

183: 2462: 4676: contig of 2215 bp in length

184: 4677: 4776: gap of unknown length

185: 7509: contig of 2733 bp in length

186: 7609: gap of unknown length

187: 7709: 10791: contig of 3182 bp in length

188: 10792: 10891: gap of unknown length

189: 1161: contig of 1161 bp in length

190: 1261: contig of 1100 bp in length

191: 2361: contig of 1100 bp in length

192: 2461: gap of unknown length

193: 2462: 4676: contig of 2215 bp in length

194: 4677: 4776: gap of unknown length

195: 7509: contig of 2733 bp in length

196: 7609: gap of unknown length

197: 7709: 10791: contig of 3182 bp in length

198: 10792: 10891: gap of unknown length

199: 1161: contig of 1161 bp in length

200: 1261: contig of 1100 bp in length

201: 2361: contig of 1100 bp in length

202: 2461: gap of unknown length

203: 2462: 4676: contig of 2215 bp in length

204: 4677: 4776: gap of unknown length

205: 7509: contig of 2733 bp in length

206: 7609: gap of unknown length

207: 7709: 10791: contig of 3182 bp in length

208: 10792: 10891: gap of unknown length

209: 1161: contig of 1161 bp in length

210: 1261: contig of 1100 bp in length

211: 2361: contig of 1100 bp in length

212: 2461: gap of unknown length

213: 2462: 4676: contig of 2215 bp in length

214: 4677: 4776: gap of unknown length

215: 7509: contig of 2733 bp in length

216: 7609: gap of unknown length

217: 7709: 10791: contig of 3182 bp in length

218: 10792: 10891: gap of unknown length

219: 1161: contig of 1161 bp in length

220: 1261: contig of 1100 bp in length

221: 2361: contig of 1100 bp in length

222: 2461: gap of unknown length

223: 2462: 4676: contig of 2215 bp in length

224: 4677: 4776: gap of unknown length

225: 7509: contig of 2733 bp in length

226: 7609: gap of unknown length

227: 7709: 10791: contig of 3182 bp in length

228: 10792: 10891: gap of unknown length

229: 1161: contig of 1161 bp in length

230: 1261: contig of 1100 bp in length

231: 2361: contig of 1100 bp in length

232: 2461: gap of unknown length

233: 2462: 4676: contig of 2215 bp in length

234: 4677: 4776: gap of unknown length

235: 7509: contig of 2733 bp in length

236: 7609: gap of unknown length

237: 7709: 10791: contig of 3182 bp in length

238: 10792: 10891: gap of unknown length

239: 1161: contig of 1161 bp in length

240: 1261: contig of 1100 bp in length

241: 2361: contig of 1100 bp in length

242: 2461: gap of unknown length

243: 2462: 4676: contig of 2215 bp in length

244: 4677: 4776: gap of unknown length

245: 7509: contig of 2733 bp in length

246: 7609: gap of unknown length

247: 7709: 10791: contig of 3182 bp in length

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249: 1161: contig of 1161 bp in length

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252: 2461: gap of unknown length

253: 2462: 4676: contig of 2215 bp in length

254: 4677: 4776: gap of unknown length

255: 7509: contig of 2733 bp in length

256: 7609: gap of unknown length

257: 7709: 10791: contig of 3182 bp in length

258: 10792: 10891: gap of unknown length

259: 1161: contig of 1161 bp in length

260: 1261: contig of 1100 bp in length

261: 2361: contig of 1100 bp in length

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263: 2462: 4676: contig of 2215 bp in length

264: 4677: 4776: gap of unknown length

265: 7509: contig of 2733 bp in length

266: 7609: gap of unknown length

267: 7709: 10791: contig of 3182 bp in length

268: 10792: 10891: gap of unknown length

269: 1161: contig of 1161 bp in length

270: 1261: contig of 1100 bp in length

271: 2361: contig of 1100 bp in length

272: 2461: gap of unknown length

273: 2462: 4676: contig of 2215 bp in length

274: 4677: 4776: gap of unknown length

275: 7509: contig of 2733 bp in length

276: 7609: gap of unknown length

277: 7709: 10791: contig of 3182 bp in length

278: 10792: 10891: gap of unknown length

279: 1161: contig of 1161 bp in length

280: 1261: contig of 1100 bp in length

281: 2361: contig of 1100 bp in length

282: 2461: gap of unknown length

283: 2462: 4676: contig of 2215 bp in length

284: 4677: 4776: gap of unknown length

285: 7509: contig of 2733 bp in length

286: 7609: gap of unknown length

287: 7709: 10791: contig of 3182 bp in length

288: 10792: 10891: gap of unknown length

289: 1161: contig of 1161 bp in length

290: 1261: contig of 1100 bp in length

291: 2361: contig of 1100 bp in length

292: 2461: gap of unknown length

293: 2462: 4676: contig of 2215 bp in length

294: 4677: 4776: gap of unknown length

295: 7509: contig of 2733 bp in length

296: 7609: gap of unknown length

297: 7709: 10791: contig of 3182 bp in length

298: 10792: 10891: gap of unknown length

299: 1161: contig of 1161 bp in length

300: 1261: contig of 1100 bp in length

301: 2361: contig of 1100 bp in length

302: 2461: gap of unknown length

303: 2462: 4676: contig of 2215 bp in length

304: 4677: 4776: gap of unknown length

305: 7509: contig of 2733 bp in length

306: 7609: gap of unknown length

307: 7709: 10791: contig of 3182 bp in length

308: 10792: 10891: gap of unknown length

309: 1161: contig of 1161 bp in length

310: 1261: contig of 1100 bp in length

311: 2361: contig of 1100 bp in length

312: 2461: gap of unknown length

313: 2462: 4676: contig of 2215 bp in length

314: 4677: 4776: gap of unknown length

315: 7509: contig of 2733 bp in length

316: 7609: gap of unknown length

317: 7709: 10791: contig of 3182 bp in length

318: 10792: 10891: gap of unknown length

319: 1161: contig of 1161 bp in length

320: 1261: contig of 1100 bp in length

321: 2361: contig of 1100 bp in length

322: 2461: gap of unknown length

323: 2462: 4676: contig of 2215 bp in length

324: 4677: 4776: gap of unknown length

325: 7509: contig of 2733 bp in length

326: 7609: gap of unknown length

327: 7709: 10791: contig of 3182 bp in length

328: 10792: 10891: gap of unknown length

329: 1161: contig of 1161 bp in length

330: 1261: contig of 1100 bp in length

331: 2361: contig of 1100 bp in length

332: 2461: gap of unknown length

333: 2462: 4676: contig of 2215 bp in length

334: 4677: 4776: gap of unknown length

335: 7509: contig of 2733 bp in length

336: 7609: gap of unknown length

337: 7709: 10791: contig of 3182 bp in length

338: 10792: 10891: gap of unknown length

339: 1161: contig of 1161 bp in length

340: 1261: contig of 1100 bp in length

341: 2361: contig of 1100 bp in length

342: 2461: gap of unknown length

343: 2462: 4676: contig of 2215 bp in length

344: 4677: 4776: gap of unknown length

345: 7509: contig of 2733 bp in length

346: 7609: gap of unknown length

347: 7709: 10791: contig of 3182 bp in length

348: 10792: 10891: gap of unknown length

349: 1161: contig of 1161 bp in length

350: 1261: contig of 1100 bp in length

351: 2361: contig of 1100 bp in length

352: 2461: gap of unknown length

353: 2462: 4676: contig of 2215 bp in length

354: 4677: 4776: gap of unknown length

355: 7509: contig of 2733 bp in length

356: 7609: gap of unknown length

357: 7709: 10791: contig of 3182 bp in length

358: 10792: 10891: gap of unknown length

359: 1161: contig of 1161 bp in length

360: 1261: contig of 1100 bp in length

361: 2361: contig of 1100 bp in length

362: 2461: gap of unknown length

363: 2462: 4676: contig of 2215 bp in length

364: 4677: 4776: gap of unknown length

365: 7509: contig of 2733 bp in length

366: 7609: gap of unknown length

367: 7709: 10791: contig of 3182 bp in length

368: 10792: 10891: gap of unknown length

369: 1161: contig of 1161 bp in length

370: 1261: contig of 1100 bp in length

371: 2361: contig of 1100 bp in length

372: 2461: gap of unknown length

373: 2462: 4676: contig of 2215 bp in length

374: 4677: 4776: gap of unknown length

375: 7509: contig of 2733 bp in length

376: 7609: gap of unknown length

377: 7709: 10791: contig of 3182 bp in length

378: 10792: 10891: gap of unknown length

379:

Center: Whitehead Institute/ MIT Center for Genome Research
 Center code: WIBR
 Web site: <http://www.seq.wi.mit.edu>
 Contact: sequence.submissions@genome.wi.mit.edu
 ----- Project Information
 Center project name: 18635
 Center clone name: 530_N_7

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 complement(867..1176)
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 Db 16959 AATAATATAATAAACCCACAAAG 16936
 RESULT 14
 AC040977
 LOCUS AC040977
 DEFINITION Homo sapiens chromosome 17 clone RP11-589P10 map 17, *** SEQUENCING
 IN PROGRESS

ACCESSION	AC040977.5	GI	15431174
VERSION		HTGS_PHASE1	HTGS_FULLTOP; HTGS_ACTIVEFIN.
SOURCE	human.	ORGANISM	Homo sapiens
REFERENCE	Birren, B., Linton, L., Nusbaum, C., and Lander, E.	JOURNAL	Homo sapiens chromosome 17, clone RP11-569P10
REFERENCE	2 (bases 1 to 173878)	JOURNAL	Unpublished
AUTHORS	Birren, B., Linton, L., Nusbaum, C., Lander, E., Abramam, H., Allen, N., Anderson, S., Baldwin, J., Barna, N., Bastien, V., Bettel, F., Boukhaliky, L., Boukhgaiter, B., Brown, A., Burnett, G., Campopiano, A., Castle, A., Choepe, Y., Colangelo, M., Collins, S., Collymore, A., Cooke, P., Debellano, K., Dewart, K., Diaz, J. S., Dodge, S., Donino, M., Doyle, M., Ferreira, P., FitzHugh, W., Gage, D., Galagan, J., Gardya, S., Girdle, S., Goyette, M., Graham, L., Grand-Pierre, N., Grant, G., Hagos, B., Heaford, A., Horton, L., Howland, J. C., Iliev, I., Johnson, R., Jones, C., Kann, L., Karatas, A., Klein, J., Latocque, K., Lander, T., Lehozeczy, J. J., Levine, R., Lieu, C., Liu, G., Locke, K., Marquis, N., McCarthy, M., McEwan, P., McCurk, A., McKernan, K., McSheeters, R., Medrano, J., Meneus, L., Mihova, T., Miranda, C., Mlejna, V., Morrow, J. J., Murphy, T., Naylor, J. J., Norman, C. H., O'Connor, T., O'Donnell, P. P., O'Neil, D., Oliver, T. M., Oliver, J. J., Peterson, K., Pierre, N., Pisani, C., Pollard, V., Raymond, C., Riley, R., Rogov, P., Rothman, D., Roy, A., Santos, R., Schauer, S., Severy, P., Spencer, B., Strange-Thioman, N., Stojanovic, N., Subramanian, A., Talamas, J. J., Testayre, S., Theodore, J., Tirrell, A., Travers, M., Trigilio, J. J., Vassiliev, H., Vie, R., Vo, A., Wilson, B., Wu, X., Wyman, D., Ye, W. J., Young, G., Zainoun, J., Zimmer, A., and Zody, M.	COMMENT	Submitted (11-APR-2000) Whitehead Institute/MIT Center for Genome Research, 320 Charles Street, Cambridge, MA 02141, USA
COMMENT	On Sep 5, 2001 this sequence version replaced gi:14336616.		
COMMENT	All repeats were identified using RepeatMasker:		
Smit, A.F.A. & Green, P. (1996-1997)	http://fpc.genome.washington.edu/RM/RepeatMasker.html		
-----	Genome Center		
Center: Whitehead Institute/ MIT Center for Genome Research	Center code: WIBR		
Web site: http://www-sed.wi.mit.edu	Contact: sequence_submissions@genome.wi.mit.edu		
-----	Project Information		
Center project name: L9493	Center clone name: 589_P-10		
COMMENT	-----		
-----	* NOTE: This is a 'working draft' sequence. It currently consists of 7 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved.		
28018 28017: gap of 28017 bp in length	* 28018 28117: gap of 3168 bp in length		
31246 31385: gap of 100 bp	* 31246 31385: gap of 100 bp		
31346 77785: contig of 46476 bp in length	* 31346 77785: contig of 100 bp		
77862 77961: gap of 13895 bp in length	* 77862 91856: contig of 13895 bp in length		
77962 91956: gap of 100 bp	* 77962 91857 91956: gap of 100 bp		
91957 116594: contig of 24638 bp in length	* 91957 116594: contig of 100 bp		
116595 116694: gap of 100 bp	* 116595 116694: gap of 100 bp		
116695 132755: contig of 16065 bp in length	* 116695 132755: contig of 100 bp		
132860 132859: gap of 100 bp	* 132860 132859: gap of 100 bp		
132860 173878: contig of 40109 bp in length.	* 132860 173878: contig of 40109 bp in length.		
FEATURES	Location/Qualifiers		
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Center clone name: RP11-416NB

----- Summary Statistics -----

Sequencing vector: pUC18; 100% of reads

Chemistry: Dye-terminator: ET 55% of reads

Chemistry: Dye-terminator Big Dye: 45% of reads

Assembly program: Phrap; version 0.99329

Consensus quality: 179317 bases at least Q40

Consensus quality: 179556 bases at least Q30

Consensus quality: 179718 bases at least Q20

Insert size: 176217; sum-of-contigs

Quality coverage: 10.6x in Q20 bases; sum-of-contigs

FEATURES

source

Location/qualifiers

1. .176217

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/db_xref="Taxon:9606"

/chromosome="3"

/map="3p"

/clone="RP11-416NB"

BASE COUNT

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ORIGIN

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Best Local Similarity 100.0%; Pred. No. 0.4;

Matches 24; Conservative 0; Mismatches 0; Indexes 0; Gaps 0;

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Db 140840 GTAAAAATATGTATAATAATAAA 140817

Search completed: September 19, 2002, 03:16:48

Job time: 17403 sec